

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
February 2000

Gray Davis
Governor
State of California

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The Resources Agency

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State of California
Resources Agency

**Department of Water Resources
Division of Operations and Maintenance**

**State Water Project
Operations Data**
for the Month of February 2000

Table of Contents

Monthly Highlights

Oroville Field Division Water Operations

Table

1	Antelope Lake, Daily Operation
2	Frenchman Lake, Daily Operation
3	Lake Davis, Daily Operation
4	Lake Oroville, Daily Operation
5	Thermalito Forebay, Including Diversion Pool and Power Canal, Daily Operation
6	Thermalito Afterbay, Daily Operation
7	Oroville-Thermalito Complex, Water Temperature Data

Delta Field Division Water Operations

Table

8	Aqueduct Operation, Delta Field Division
9	Delta Field Division Plant Data
10	Clifton Court Forebay, Daily Operation of Gates
11	Governor Edmund G. Brown California Aqueduct, Delta Field Division, Monthly Deliveries
12	South Bay Aqueduct, Delta Field Division, Monthly Deliveries
13	Lake Del Valle, Daily Operation

San Luis Field Division Water Operations

Table

14	Consolidated State-Federal O'Neill Forebay, Daily Operations
15	Consolidated State-Federal San Luis Reservoir, Daily Operations
16	San Luis Field Division Plant Data
17	Consolidated State-Federal Los Banos Reservoir, Daily Operations
18	Consolidated State-Federal Little Panoche Reservoir, Daily Operations
19a	Governor Edmund G. Brown California Aqueduct, San Luis Field Division, Monthly Deliveries
19b	Governor Edmund G. Brown California Aqueduct, San Luis Field Division, Monthly Deliveries
20	Consolidated State-Federal San Luis Canal, Daily Operations

San Joaquin Field Division Water Operations

Table

21	San Joaquin Field Division Plant Data
22a	Governor Edmund G. Brown California Aqueduct, San Joaquin Field Division, Monthly Deliveries
22b	Governor Edmund G. Brown California Aqueduct, San Joaquin Field Division, Monthly Deliveries
22c	Governor Edmund G. Brown California Aqueduct, San Joaquin Field Division, Monthly Deliveries
23	Coastal Branch Aqueduct, San Joaquin Field Division, Monthly Deliveries

Southern Field Division Water Operations

Table

24	Southern Field Division Plant Data
25	Pyramid Lake, Daily Operation
26	Elderberry Forebay, Daily Operation
27	Castaic Lake, Daily Operation
28	Governor Edmund G. Brown California Aqueduct, Southern Field Division, Monthly Deliveries (West Branch)
29	Silverwood Lake, Daily Operation
30	Lake Perris, Daily Operation
31a	Governor Edmund G. Brown California Aqueduct, Southern Field Division, Monthly Deliveries (East Branch)
31b	Governor Edmund G. Brown California Aqueduct, Southern Field Division, Monthly Deliveries (East Branch)

Water Quality Operations

Table

32	Water Quality at Selected SWP Locations
33	Water Quality at Selected Delta Stations
34	Pesticides, Herbicides, and Other Organic Substances Detected in the SWP

Energy Operations

Table

35	Oroville and Delta Field Divisions Energy Data
36	San Luis Field Division Energy Data
37	San Joaquin Field Division Pumping Plant Energy Load Data
38	Southern Field Division Energy Data

MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of February 2000.

Water supplies improved immensely during February with 40 days of intermittent rain since mid-January that increased snowpack, runoff and water storage. Operations on most Central Valley foothill reservoirs shifted from drought and water storage to flood control. Releases and down stream runoff produced moderately high water stages in the State's major rivers. On the Sacramento River system, overflow into Sutter and Yolo bypasses occurred at all fixed weirs.

February precipitation was above average. Estimated northern Sierra precipitation during the month was about 19 inches, 235 percent of average. This raised the seasonal total to 44 inches, 127 percent of average for the date, which is the same as last year's total for that date.

Statewide snowpack water content rose from about 20 percent of average in the first week of January to near normal in the last week of February. The February 29 snowpack was about 120 percent, slightly less than last year's 125 percent.

Stream runoff during February was about 1.7 times average for the month. This raised the seasonal amount from 65 percent at the end of January to about 95 percent. Seasonal runoff one year ago was 115 percent of average. As was the case one year ago, northern regions have higher percentages than in the south.

Reservoir storage statewide was excellent, about 120 percent of average. This was about the same as last year at this time. On February 29, total storage in major SWP reservoirs was about 4.5 MAF, the same as at this time in 1999. Average storage in the major SWP reservoirs on February 29 was about 4.2 MAF. Storage in Lake Oroville was about 2.77 MAF, compared to 2.8 MAF at this time last year. The State's share of San Luis Reservoir storage (1.06 MAF) was filled on February 23. SWP fill was completed last water year on November 17, 1998. On February 29, the combined storage in our southern reservoirs was about 649,564 AF, compared with 572,000 AF at this time last year.

Through February, SWP water deliveries for 2000 were about 422,700 AF. This is a combination of project, transfer, and exchange waters. This is 221,600 AF more than delivered during the same period in 1999.

The State's share of San Luis Reservoir storage was filled on February 23, nearly two months later than it would have been filled if not for the export reductions in the previous spring and in December. In all, SWP pumping in 1999 was reduced by 500 TAF to protect delta smelt and spring-run Chinook salmon. Although the SWP was finally successful in recovering the water, the delayed filling of San Luis Reservoir had several impacts on project operations. First, it delayed delivery of Interruptible Water to the SWP contractors until February 16, 2000 (a 35-day delay). This resulted in about 150 TAF reduction in the amount of Interruptible Water that could have been delivered in 2000. The delayed filling of San Luis Reservoir also caused CDWR to postpone the wheeling of water for Cross Valley Canal contractors until February 22.

Late in February, incidental take of winter-run sized juvenile Chinook and adult delta smelt caused the National Marine Fisheries Service and the Fish and Wildlife Service to request DWR and USBR to reduce pumping. Biologists concluded that an adjustment in exports could allow the projects to avoid reaching the 2 percent red light level for winter-run sized Chinook. They also believed that reducing exports would also reduce the salvage of adult delta smelt, migrating upstream to spawn. After reviewing hydrologic data, DWR concluded the risk San Luis Reservoir storage, Interruptible Water deliveries, and wheeling of CVC water was low; thus, exports at Banks were decreased from about 9,000 cfs to 6,000 cfs from February 24 through March 1.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

February 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		Total Outflow 1/
				Stream-flow Maint.	Water Supply Contract	Water Right				
Jan 31	4993.77	15,645								
1	4993.76	15,637	-8	20	0	0	0			
2	4994.73	15,615	-22	20	0	0	0			
3	4993.76	15,637	22	20	0	0	0			
4	4993.76	15,637	0	20	0	0	0			
5	4993.77	15,645	8	20	0	0	0			
6	4993.77	15,645	0	20	0	0	0			
7	4993.77	15,637	-8	20	0	0	0			
8	4993.76	15,637	0	20	0	0	0			
9	4993.76	15,637	0	20	0	0	0			
10	4993.79	15,660	23	20	0	0	0			
11	4993.82	15,682	22	20	0	0	0			
12	4993.84	15,697	15	20	0	0	0			
13	4993.95	15,780	83	20	0	0	0			
14	4994.37	16,099	319	20	0	0	0			
15	4994.54	16,229	130	20	0	0	0			
16	4994.65	16,313	84	20	0	0	0			
17	4994.73	16,375	62	20	0	0	0			
18	4994.77	16,406	31	20	0	0	0			
19	4994.81	16,437	31	20	0	0	0			
20	4994.86	16,475	38	20	0	0	0			
21	4994.92	16,522	47	20	0	0	0			
22	4994.96	16,553	31	20	0	0	0			
23	4995.02	16,599	46	20	0	0	0			
24	4995.04	16,615	16	20	0	0	0			
25	4995.07	16,638	23	20	0	0	0			
26	4995.16	16,709	71	20	0	0	0			
27	4995.37	16,873	164	20	0	0	0			
28	4995.46	16,944	71	20	0	0	0			
29	4995.51	16,983	39	20	0	0	0			
Total cfs-days			---	580	0	0	0	31	611	1,285
Total ac-ft			1,338	1,150	0	0	0	61	1,211	2,549

1/ Values not available on a daily basis.

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

February 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow	
				Stream-flow Maint.	Water Supply Contract	Water Right				
Jan 31	5579.78	43,416								
1	5579.79	43,430	14	2	0	0	0			
2	5579.81	43,457	27	2	0	0	0			
3	5579.86	43,525	68	2	0	0	0			
4	5579.87	43,539	14	2	0	0	0			
5	5579.86	43,525	-14	2	0	0	0			
6	5579.90	43,580	55	2	0	0	0			
7	5579.91	43,593	13	2	0	0	0			
8	5579.91	43,593	0	2	0	0	0			
9	5579.95	43,648	55	2	0	0	0			
10	5580.00	43,716	68	2	0	0	0			
11	5580.00	43,716	0	2	0	0	0			
12	5580.01	43,730	14	2	0	0	0			
13	5580.13	43,894	164	2	0	0	0			
14	5580.45	44,333	439	2	0	0	0			
15	5580.54	44,457	124	2	0	0	0			
16	5580.64	44,595	138	2	0	0	0			
17	5580.75	44,747	152	2	0	0	0			
18	5580.78	44,788	41	2	0	0	0			
19	5580.82	44,844	56	2	0	0	0			
20	5580.85	44,885	41	2	0	0	0			
21	5580.90	44,955	70	2	0	0	0			
22	5580.94	45,010	55	2	0	0	0			
23	5581.01	45,108	98	2	0	0	0			
24	5581.03	45,136	28	2	0	0	0			
25	5581.07	45,191	55	2	0	0	0			
26	5581.26	45,456	265	2	0	0	0			
27	5581.37	45,610	154	2	0	0	0			
28	5581.29	45,498	-112	2	0	0	0			
29	5581.39	45,638	140	2	0	0	0			
Total cfs-days			---	58	0	0	0	48	106	1,227
Total ac-ft			2,222	115	0	0	0	96	211	2,433

1/ Values not available on a daily basis.

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

February 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow	
				Stream-flow Maint.	Water Supply Contract	Water Right				
Jan 31	5767.58	57,328								
1	5767.59	57,361	33	10	0	0	0			
2	5767.59	57,361	0	10	0	0	0			
3	5767.61	57,426	65	10	0	0	0			
4	5767.63	57,491	65	10	0	0	0			
5	5767.64	57,524	33	10	0	0	0			
6	5767.66	57,589	65	10	0	0	0			
7	5767.66	57,589	0	10	0	0	0			
8	5767.67	57,622	33	10	0	0	0			
9	5767.67	57,622	0	10	0	0	0			
10	5767.70	57,720	98	10	0	0	0			
11	5767.72	57,785	65	10	0	0	0			
12	5767.73	57,818	33	10	0	0	0			
13	5767.86	58,245	427	10	0	0	0			
14	5768.06	58,904	659	10	0	0	0			
15	5768.09	59,003	99	10	0	0	0			
16	5768.14	59,169	166	10	0	0	0			
17	5768.17	59,269	100	10	0	0	0			
18	5768.19	59,335	66	10	0	0	0			
19	5768.22	59,435	100	10	0	0	0			
20	5768.26	59,568	133	10	0	0	0			
21	5768.29	59,668	100	10	0	0	0			
22	5768.31	59,735	67	10	0	0	0			
23	5768.38	59,968	233	10	0	0	0			
24	5768.38	59,968	0	10	0	0	0			
25	5768.41	60,069	101	10	0	0	0			
26	5768.49	60,337	268	10	0	0	0			
27	5768.63	60,807	470	10	0	0	0			
28	5768.65	60,875	68	10	0	0	0			
29	5768.68	60,976	101	10	0	0	0			
Total cfs-days			---	290	0	0	0	117	407	2,246
Total ac-ft			3,648	575	0	0	0	232	807	4,455

1/ Values not available on a daily basis.

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

February 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow					Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal	Evaporation 2/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 3/
Jan 31	813.30	2,345,401								
1	813.86	2,352,031	6,630	4,997	6	0	0	5,003	0	11,633
2	814.49	2,359,504	7,473	4,947	6	7	0	4,960	0	12,433
3	815.19	2,367,828	8,324	3,810	6	40	0	3,856	0	12,180
4	816.05	2,378,082	10,254	2,388	6	34	0	2,428	0	12,682
5	816.87	2,387,888	9,806	1,679	6	27	0	1,712	0	11,518
6	818.56	2,408,185	20,297	0	6	20	0	26	7,085	13,238
7	819.42	2,418,559	10,374	3,746	6	48	0	3,800	1,865	12,309
8	819.90	2,424,363	5,804	4,656	6	68	0	4,730	0	10,534
9	820.21	2,428,119	3,756	6,395	6	27	0	6,428	0	10,184
10	820.88	2,436,251	8,132	7,867	5	14	0	7,886	0	16,018
11	821.99	2,449,765	13,514	7,093	2	7	0	7,102	0	20,616
12	823.92	2,473,387	23,622	1,620	0	14	0	1,634	271	24,985
13	828.01	2,523,976	50,589	0	0	7	0	7	7,127	43,469
14	836.71	2,633,986	110,010	3,560	0	0	0	3,560	2,603	110,967
15	840.69	2,685,406	51,420	10,636	0	7	0	10,643	0	62,063
16	842.58	2,710,053	24,647	17,341	0	29	0	17,370	0	42,017
17	843.37	2,720,402	10,349	20,128	0	15	0	20,143	0	30,492
18	843.31	2,719,615	-787	23,732	0	22	0	23,754	0	22,967
19	843.27	2,719,090	-525	21,038	0	104	0	21,142	0	20,617
20	842.56	2,709,791	-9,299	27,023	0	82	0	27,105	0	17,806
21	842.38	2,707,437	-2,354	22,305	0	30	0	22,335	0	19,981
22	842.44	2,708,222	785	24,612	0	67	0	24,679	0	25,464
23	842.65	2,710,969	2,747	29,439	0	59	0	29,498	0	32,245
24	842.18	2,704,823	-6,146	29,353	0	52	0	29,405	0	23,259
25	841.37	2,694,255	-10,568	29,459	0	37	0	29,496	0	18,928
26	841.46	2,695,428	1,173	29,076	0	29	0	29,105	0	30,278
27	844.69	2,737,755	42,327	29,400	0	0	0	29,400	0	71,727
28	845.91	2,753,863	16,108	29,222	0	30	0	29,252	0	45,360
29	846.81	2,765,788	11,925	29,236	0	60	0	29,296	0	41,221
Total			420,387	424,758	61	936	0	425,755	18,951	827,191

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation
(in acre-feet except as noted)

Capacity: 25,120 ac-ft

February 2000

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)	
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback		
Jan 31	23,532											
1	23,645	113	4,997	508	0	4,275	6	3	1,218	0	110	
2	23,555	-90	4,947	496	0	4,359	6	3	1,220	0	55	
3	23,709	154	3,810	494	0	3,111	6	3	1,307	0	277	
4	23,282	-427	2,388	506	0	2,220	6	3	1,220	0	128	
5	23,387	105	1,679	508	0	961	6	3	1,218	0	106	
6	23,975	588	0	505	7,464	0	6	3	1,222	7,085	935	
7	23,085	-890	3,746	505	2,812	5,031	6	3	1,241	1,865	193	
8	23,819	734	4,656	504	0	3,251	6	3	1,251	0	85	
9	23,677	-142	6,395	506	79	6,022	6	3	1,249	0	158	
10	23,356	-321	7,867	508	0	8,344	6	3	1,283	0	940	
11	23,585	229	7,093	508	0	6,971	6	3	1,271	0	879	
12	22,434	-1,151	1,620	510	326	2,659	6	3	1,261	271	593	
13	24,590	2,156	0	502	7,756	0	5	3	1,311	7,127	2,344	
14	23,036	-1,554	3,560	508	1,549	4,315	5	2	1,269	2,603	1,023	
15	23,025	-11	10,636	510	0	10,267	5	2	1,247	0	364	
16	23,408	383	17,341	502	80	16,783	5	2	1,247	0	497	
17	23,281	-127	20,128	508	0	19,996	5	2	1,253	0	493	
18	23,290	9	23,732	502	0	23,298	5	2	1,255	0	335	
19	23,291	1	21,038	502	0	20,796	5	2	1,251	0	515	
20	23,338	47	27,023	502	0	26,730	5	2	1,249	0	508	
21	23,245	-93	22,305	502	0	22,198	5	2	1,249	0	554	
22	23,088	-157	24,612	502	0	24,831	5	2	1,265	0	832	
23	23,556	468	29,439	508	0	29,304	5	2	1,269	0	1,101	
24	23,484	-72	29,353	504	0	29,292	5	2	1,261	0	631	
25	22,948	-536	29,459	504	0	29,802	5	2	1,255	0	565	
26	22,798	-150	29,076	508	0	29,756	5	2	1,267	0	1,296	
27	22,999	201	29,400	504	0	29,871	5	2	1,287	0	1,462	
28	22,282	-717	29,222	508	0	29,837	5	2	1,257	0	654	
29	22,074	-208	29,236	506	0	29,754	5	2	1,261	0	1,072	
Total		-1,458	424,758	14,640	20,066	424,034	157	71	36,414	18,951	18,705	

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, spill, and spillway leakage.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

February 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Jan 31	129.35	30,025										
1	130.04	32,285	2,260	4,275	0	0	0	0	2,261	0	246	3,479
2	130.69	34,483	2,198	4,359	0	0	0	0	2,241	0	80	3,461
3	131.06	35,765	1,282	3,111	0	0	0	0	2,241	0	412	3,548
4	131.03	35,660	-105	2,220	0	0	0	0	2,261	0	-64	3,481
5	130.73	34,621	-1,039	961	0	0	0	0	2,241	0	241	3,459
6	127.49	24,324	-10,297	0	0	0	0	0	2,241	7,464	-592	3,463
7	127.45	24,208	-116	5,031	0	0	0	0	2,241	2,812	-94	3,482
8	127.83	25,324	1,116	3,251	0	0	0	0	2,241	0	106	3,492
9	129.08	29,163	3,839	6,022	0	0	0	0	2,261	79	157	3,510
10	131.04	35,695	6,532	8,344	0	0	0	0	2,241	0	429	3,524
11	132.54	41,110	5,415	6,971	0	0	0	0	2,241	0	685	3,512
12	132.67	41,596	486	2,659	0	0	0	0	2,241	326	394	3,502
13	130.25	32,987	-8,609	0	0	0	0	0	2,241	7,756	1,388	3,552
14	130.23	32,920	-67	4,315	0	0	0	0	2,955	1,549	122	4,224
15	130.60	34,175	1,255	10,267	0	0	0	0	7,736	0	-1,276	8,983
16	130.65	34,346	171	16,783	0	0	0	0	14,539	80	-1,993	15,786
17	131.01	35,590	1,244	19,996	0	0	0	0	16,800	0	-1,952	18,053
18	132.35	40,405	4,815	23,298	0	0	0	0	16,800	0	-1,683	18,055
19	133.02	42,918	2,513	20,796	0	0	0	0	16,780	0	-1,503	18,031
20	133.46	44,607	1,689	26,730	0	0	0	0	23,604	0	-1,437	24,853
21	132.45	40,775	-3,832	22,198	0	0	0	0	24,794	0	-1,236	26,043
22	132.13	39,595	-1,180	24,831	0	0	0	0	25,389	0	-622	26,654
23	132.57	41,222	1,627	29,304	0	0	0	0	26,777	0	-900	28,046
24	132.89	42,425	1,203	29,292	0	0	0	0	27,372	0	-717	28,633
25	132.98	42,766	341	29,802	0	0	0	0	28,959	0	-502	30,214
26	133.02	42,918	152	29,756	0	0	0	0	29,753	0	149	31,020
27	132.77	41,972	-946	29,871	0	0	0	0	30,744	0	-73	32,031
28	132.44	40,738	-1,234	29,837	0	0	0	0	30,744	0	-327	32,001
29	132.19	39,815	-923	29,754	0	0	0	0	30,744	0	67	32,005
Total			9,790	424,034	0	0	0	0	383,683	20,066	-10,495	420,097

1/ Includes Bypass flows at Thermalito.

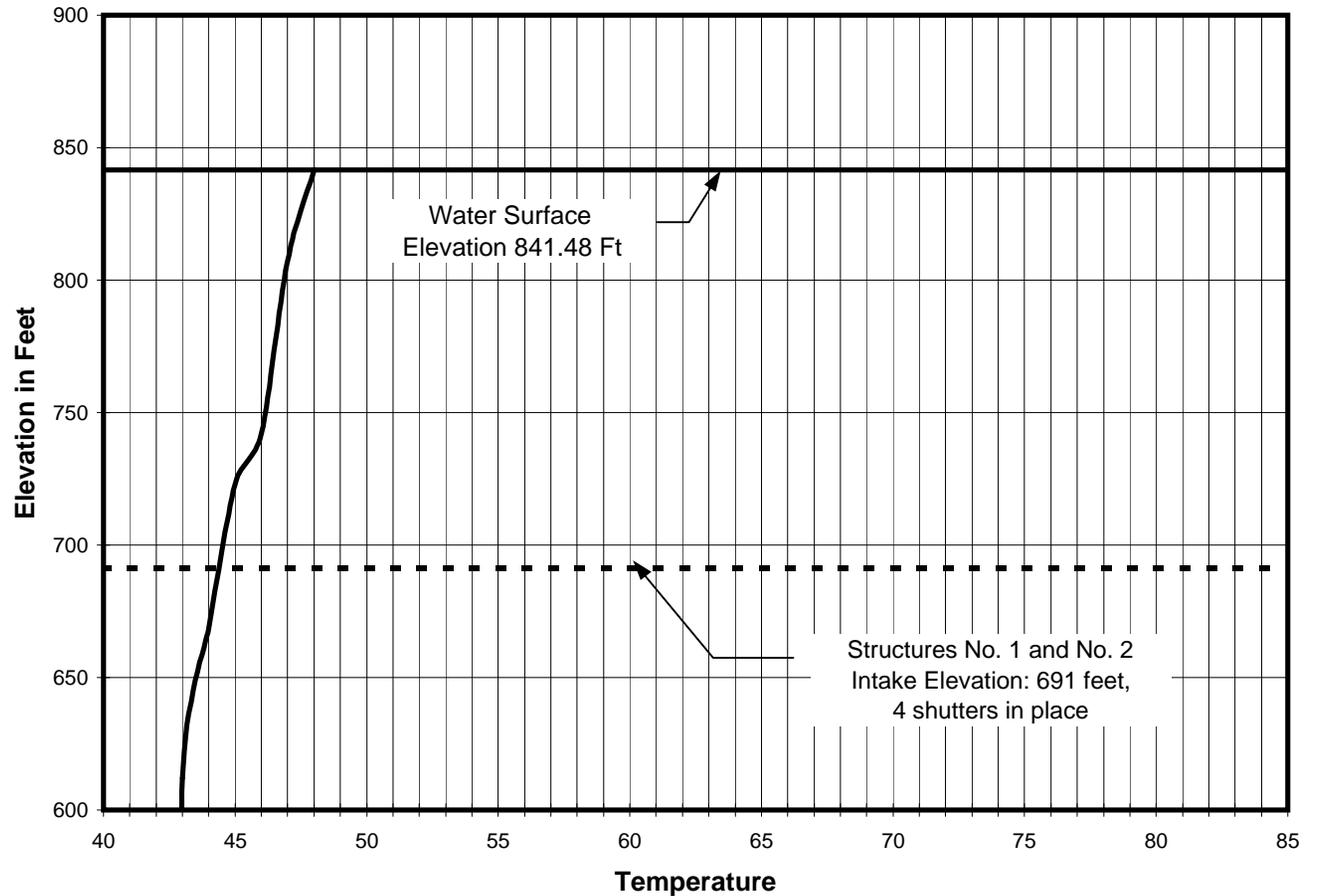
2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

Table 7. Oroville-Thermalito Complex

Water Temperature Data
(in degrees Fahrenheit)
February 2000

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	49	48
2	50	48
3	50	48
4	49	47
5	49	47
6	50	48
7	50	49
8	50	48
9	51	47
10	51	47
11	50	47
12	49	47
13	49	47
14	50	48
15	51	48
16	50	47
17	48	47
18	48	47
19	47	47
20	47	47
21	47	47
22	47	47
23	47	46
24	46	47
25	47	47
26	47	47
27	47	46
28	47	47
29	47	47

**Lake Oroville Temperature Profile
on February 16, 2000**



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

February 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending					Entitlement			Inter-ruptible Ent.	Carry-over Ent.
	No.	Structure	Mile			M & I	Benecia	Vallejo		
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	2,201	98			46	
		Travis Surge Tank	8.78							
2			8.80	Solano County Water Agency Travis Turnout	144	326			152	
			10.54	Solano County Water Agency Fairfield / Vacaville	478					
3A		Cordelia Forebay	21.23							
		Cordelia Pumping Plant & Cordelia Spillway	21.30		1,499					
			21.33	Solano County Water Agency Vallejo	3			3		
				Solano County Water Agency Benecia	697		697			
3B	2	Cordelia Surge Tank	23.33	Napa Pipeline						
		Creston Surge Tank Connection	25.65	Napa Pipeline						
			26.95	Napa County Flood Control & WCD American Canyon 2	0					
			27.27	Napa County Flood Control & WCD American Canyon 3	0					
		Napa Terminal Tank	27.58	City of Napa	695					695
			27.60	Napa County Flood Control & WCD American Canyon 1	104					104

Table 9. Delta Field Division Plant Data

(in acre-feet)

February 2000

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	111	67	14,036	14,036	294	0	0	0
2	102	58	14,042	14,042	309	0	0	0
3	112	70	14,303	14,303	320	0	0	0
4	114	70	14,076	14,076	339	0	0	0
5	112	60	14,181	14,181	336	0	0	0
6	112	69	15,052	15,052	340	0	0	0
7	112	69	14,058	14,058	331	0	0	0
8	112	70	12,692	12,692	336	0	0	0
9	106	67	12,722	12,722	353	0	0	0
10	111	69	14,057	14,057	345	0	0	0
11	106	67	13,966	13,966	321	0	0	0
12	112	27	13,971	13,971	343	0	0	0
13	87	49	14,529	14,529	300	0	0	0
14	74	47	14,816	14,816	229	0	0	67
15	49	46	15,845	15,845	116	0	0	199
16	46	42	17,101	17,101	87	0	0	247
17	46	38	17,021	17,021	76	0	0	246
18	51	43	18,089	18,089	75	0	0	247
19	49	43	16,791	16,791	63	0	0	247
20	46	43	17,877	17,877	86	0	0	246
21	45	43	17,695	17,695	66	0	0	246
22	53	43	16,744	9,875	90	0	0	220
23	49	43	14,817	7,948	109	0	0	207
24	44	43	13,129	6,260	92	0	0	200
25	49	40	11,720	5,205	107	0	0	191
26	48	43	11,655	2,120	97	0	0	191
27	41	43	12,393	2,858	93	0	0	184
28	52	46	12,559	3,024	108	0	0	180
29	50	41	11,746	2,210	32	0	0	201
Total	2,201	1,499	421,683	356,420	5,793	0	0	3,316

Table 10. Clifton Court Forebay

Daily Operation of Gates

February 2000

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	1:18	13:38	16:01	19:51					14,875
2	1:43	14:25	16:43	21:15					14,860
3	2:19	14:21	17:23	22:40					14,863
4	2:53	15:43	18:01	23:11					14,442
5	3:25	16:18	18:39	22:27					14,677
6	3:56	16:53	19:16	23:40					14,664
7	0:10	1:28	4:28	17:31	19:56	---			14,230
8	---	1:45	5:01	13:15	16:05	23:00			13,231
9	0:08	2:00	9:54	---					12,528
10	---	2:15	10:30	---					13,906
11	---	3:25	5:10	7:56	8:11	15:35	20:10	---	13,837
12	---	8:45	11:56	18:10	21:11	---			13,174
13	---	9:45	12:49	19:24	22:24	---			14,335
14	---	10:50	13:48	19:30					15,268
15	0:01	12:08	14:49	21:20					15,695
16	0:31	13:15	15:49	22:24					17,467
17	1:24	14:10	16:46	23:13					17,969
18	2:13	15:08	17:39	23:58					18,305
19	2:58	15:56	18:30	---					17,266
20	---	0:40	3:40	16:48	19:20	---			16,195
21	---	1:21	2:41	17:36	20:09	---			18,816
22	---	2:00	9:13	---					18,212
23	---	2:40	9:49	---					15,984
24	---	2:56	4:52	7:22	10:26	16:13	19:13	23:54	11,897
25	0:01	8:10	11:06	16:55	20:14	---			11,526
26	---	8:58	11:50	18:00	21:21	---			11,244
27	---	10:02	12:40	17:55	22:28	---			11,875
28	---	11:16	13:37	19:02	23:30	---			11,891
29	---	12:35	14:35	17:05					11,897
Total inflow for the month in AF:									425,129

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

February 2000

Reach No.	Operating Pool			Turnout	Total Diver- sions	Deliveries				
	Beginning and Ending					Entitle- ment	USBR	Misc.	Loan Water	1997 Carryover Ent.
	No.	Structure	Mile							
1		Banks Pumping Plant	3.32		421,683					
2A	1	South Bay Pumping Plant	4.49	Bethany Reservoir Inlet	5,793	48				
		Check No. 1	5.95							
	2	Check No. 2	12.01							
	3		12.47	Musco Olive	48					
		Check No. 3	18.29							
	4		22.16	Tracy Golf & Country Club	0					
		Check No. 4	23.99							
	5	Check No. 5	29.73							
	6	Check No. 6	34.24							
	7		35.22	Turlock Fruit Company Inflow	0					
		Check No. 7	39.91							
	8		42.46	Oak Flat Water District-A	0					
			43.81	Oak Flat Water District-B	0					
			44.64	Oak Flat Water District-C	0					
Check No. 8		45.97								
9		46.18	Oak Flat Water District-D	0						
			Oak Flat Totals:	0						
2B	9	Check No. 9	51.30			0	0	0	0	0
		10	Check No. 10	56.86						
	11	Check No. 11	61.40							
	12		66.14	Veteran's Cemetery	1					
Check No. 12		66.71		401,666						

Table 12. South Bay Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

February 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries								
	Beginning and Ending					Entitlement	General Wheeling	Local	Recreation					
	No.	Structure	Mile											
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	5,793	5,868			4					
			3.17	Granite - Vasco Rd. (Temp.)	0									
			3.18	Oakland Scavenger Zone 7	4									
		Check No. 1	3.91											
	2	Check No. 2	5.21											
2	3		7.21	Zone 7 Altamont	0					486			486	
		Check No. 3	9.49	Zone 7 Patterson Inflow Exchange	486									
				Zone 7 Patterson Project Water	0									
4	4	Check No. 4	10.68											
	5	Check No. 5	12.29											
	6			13.55	Zone 7 Wente #1	0								
				14.16	Zone 7 Wente #2	0								
		Check No. 6	14.65											
	7			14.78	Zone 7 Arroyo Mocho	0								
		Check No. 7	16.38											
				16.57	Zone 7 Wente #3	0								
				16.69	Zone 7 Norman Nursery	0								
				16.70	Zone 7 Concannon Project Water	0								
			Del Valle Branch Pipeline Junction	18.63	(Pumped into Lake Del Valle) (Flow into South Bay Aqueduct)	0 3,316								
5	8	Deliveries through Del Valle Branch Pipeline		Arroyo Valle #1 & #2 Project Water	0	232			232					
				Arroyo Valle #1 & #2 Inflow Released	232									
				Lake Del Valle Recreation	2									
				Zone 7 Wente #5 Inflow Released	2									
6			19.20	So. Livermore Project	0	965			965					
				So. Livermore Inflow Released	965									
				So. Livermore Stored Exchanged	0									
		19.21	Zone 7 - Kalthrof Detjens	1				1						
7		La Costa Tunnel	22.50	ACWD Vallecitos Project Water	0									
			25.97	City of San Francisco San Antonio	0									
8		Mission Tunnel	28.97	ACWD - Bayside 1 & 2 Project Water: Inflow Released Stored Exchange:	0 1,541 0				1,541					
9		Santa Clara Pipeline	35.86	S.C.V.W.D. Meter	5,868									

Table 13. Lake Del Valle

Daily Operation

(in acre-feet except as noted)

February 2000

Capacity: 77,106 ac-ft

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow			Outflow			Precipitation (inches)	
				Natural 1/ 3/	From South Bay Aqueduct	Arroyo Valle 3/	South Bay Aqueduct	Recreation Deliveries 2/ 3/	Evaporation		Total Outflow 3/
Jan 31	687.37	29,822									
1	687.41	29,845	23		0		0		2	0.00	
2	687.45	29,869	24		0		0		1	0.00	
3	687.51	29,904	35		0		0		3	0.00	
4	687.54	29,921	17		0		0		1	0.29	
5	687.57	29,939	18		0		0		3	0.00	
6	687.62	29,968	29		0		0		3	0.09	
7	687.63	29,974	6		0		0		3	0.00	
8	687.65	29,985	11		0		0		3	0.00	
9	687.67	29,997	12		0		0		1	0.00	
10	687.73	30,032	35		0		0		0	0.19	
11	687.91	30,137	105		0		0		0	0.03	
12	689.26	30,937	800		0		0		0	1.14	
13	692.33	32,811	1,874		0		0		0	0.26	
14	698.22	36,621	3,810		0		67		0	1.15	
15	699.30	37,350	729		0		199		2	0.00	
16	699.51	37,493	143		0		247		3	0.05	
17	699.50	37,486	-7		0		246		3	0.27	
18	699.35	37,384	-102		0		247		1	0.01	
19	699.13	37,235	-149		0		247		1	0.00	
20	698.97	37,127	-108		0		246		4	0.00	
21	698.78	36,998	-129		0		246		6	0.17	
22	698.84	37,039	41		0		220		4	0.04	
23	701.22	38,668	1,629		0		207		1	1.10	
24	701.49	38,855	187		0		200		0	0.08	
25	701.35	38,758	-97		0		191		1	0.03	
26	701.44	38,820	62		0		191		1	0.00	
27	701.78	39,057	237		0		184		2	0.56	
28	701.58	38,918	-139		0		180		3	0.15	
29	701.50	38,862	-56		0		201		3	0.13	
Total			9,040	14,093	0	1,679	3,316	2	56	5,053	5.74

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

3/ Not available on a daily basis.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

February 2000

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity: 56,430 Acre-feet

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/	
Jan 31	222.45	49,580										
1	223.67	52,840	3,260	0	3,331	0	6,579	0	5,185	2,984	0	-97
2	221.57	47,257	-5,583	0	3,319	0	6,751	0	9,938	3,552	0	605
3	221.21	46,311	-946	0	3,313	0	6,751	0	7,736	3,649	0	844
4	221.99	48,360	2,049	0	3,373	0	6,886	0	6,049	3,617	0	440
5	222.17	48,836	476	0	3,343	0	6,777	0	6,772	3,573	0	465
6	218.80	40,077	-8,759	0	3,183	0	6,891	0	10,366	4,632	0	508
7	220.60	44,714	4,637	0	2,938	0	6,696	0	4,059	3,668	3	434
8	219.97	43,074	-1,640	0	2,709	0	5,907	0	5,146	4,472	4	179
9	219.38	41,554	-1,520	0	2,599	0	6,081	0	4,592	5,414	4	564
10	220.37	44,114	2,560	0	2,531	0	6,717	0	3,379	5,211	6	639
11	221.10	46,023	1,909	0	2,592	0	6,812	0	4,009	4,978	8	553
12	221.35	46,679	656	0	2,746	0	6,521	0	4,211	5,261	10	546
13	220.03	43,230	-3,449	0	2,878	0	6,889	0	7,521	4,540	17	572
14	222.06	48,544	5,314	0	3,175	0	7,070	0	4,404	3,690	12	540
15	222.65	50,113	1,569	0	3,111	0	7,663	0	5,601	4,558	13	189
16	221.24	46,390	-3,723	0	2,794	0	8,012	0	8,531	4,830	13	691
17	220.54	44,557	-1,833	0	2,662	0	8,426	0	6,988	5,561	17	554
18	221.72	47,651	3,094	0	3,031	0	8,807	0	4,429	6,286	17	454
19	222.63	50,060	2,409	0	3,183	0	8,446	0	5,413	5,570	19	588
20	219.91	42,919	-7,141	0	3,015	0	8,006	0	8,227	6,996	17	619
21	222.71	50,273	7,354	0	2,898	0	8,761	0	4,601	3,736	25	411
22	223.79	53,162	2,889	0	2,810	0	7,928	0	6,011	3,994	17	741
23	223.82	53,242	80	0	2,960	0	7,303	0	7,391	3,317	18	503
24	222.78	50,459	-2,783	0	2,959	0	6,610	0	6,932	4,769	28	757
25	223.20	51,580	1,121	0	3,024	0	5,596	0	4,408	4,086	18	457
26	223.74	53,027	1,447	0	3,177	0	5,610	0	4,278	4,234	22	477
27	220.24	43,775	-9,252	0	3,273	0	6,342	0	10,057	5,109	17	904
28	221.31	46,574	2,799	0	3,138	0	5,946	0	3,717	4,530	3	577
29	222.55	49,847	3,273	0	3,250	0	5,721	0	3,678	4,342	8	707
Total			267	0	87,315	0	202,505	0	173,629	131,159	316	15,421
Mean cfs			- - -	0	3,011	0	6,983	0	5,987	4,523	11	532
Acre-feet			267	0	173,195	0	401,666	0	344,398	260,157	626	30,587

1/ Pump-in located at Mile 79.67R.

2/ Includes 74 AF delivered to DFG at O'Neill Forebay.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

February 2000

United States
 Department of the Interior
 Bureau of Reclamation
 Central Valley Project

Capacity: 2,027,835 ac-ft

State of California
 The Resources Agency
 Department of Water Resources
 State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.				
Jan 31	499.79	1,505,272									
1	500.71	1,515,834	10,562	5,185	0	111	0	251			
2	502.31	1,534,261	18,427	9,938	0	92	0	-556			
3	503.46	1,547,553	13,292	7,736	0	105	0	-930			
4	504.42	1,558,678	11,125	6,049	0	106	0	-334			
5	505.51	1,571,343	12,665	6,772	0	111	0	-276			
6	507.17	1,590,698	19,355	10,366	0	105	0	-503			
7	507.78	1,597,831	7,133	4,059	0	108	0	-355			
8	508.57	1,607,084	9,253	5,146	0	106	0	-375			
9	509.29	1,615,534	8,450	4,592	0	94	0	-238			
10	509.80	1,621,528	5,994	3,379	0	143	0	-214			
11	510.45	1,629,179	7,651	4,009	0	106	0	-46			
12	511.08	1,636,606	7,427	4,211	0	89	0	-378			
13	512.39	1,652,087	15,481	7,521	0	86	0	370			
14	513.12	1,660,736	8,649	4,404	0	89	0	45			
15	514.01	1,671,301	10,565	5,601	0	95	0	-180			
16	515.35	1,687,251	15,950	8,531	0	82	0	-408			
17	516.43	1,700,145	12,894	6,988	0	80	0	-407			
18	517.08	1,707,921	7,776	4,429	0	91	0	-418			
19	517.91	1,717,868	9,947	5,413	0	93	0	-305			
20	519.19	1,733,248	15,380	8,227	0	90	0	-383			
21	519.86	1,741,317	8,069	4,601	0	86	0	-447			
22	520.84	1,753,143	11,826	6,011	0	93	0	44			
23	522.03	1,767,540	14,397	7,391	0	83	0	-50			
24	523.06	1,780,034	12,494	6,932	0	72	0	-561			
25	523.69	1,787,690	7,656	4,408	0	81	0	-467			
26	524.31	1,795,237	7,547	4,278	0	79	0	-394			
27	525.78	1,813,173	17,936	10,057	0	82	0	-932			
28	526.27	1,819,166	5,993	3,717	0	91	0	-605			
29	526.81	1,825,778	6,612	3,678	0	75	0	-269			
Total			320,506	173,629	0	2,724	0	-9,321			
Mean cfs			- - -	5,987	0	94	0	-321			
Acre-feet			320,506	344,398	0	5,403	0	-18,489			

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 5,403 AF, San Benito: 0 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

February 2000

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/, 2/	Total Generation	SWP Generation 1/, 2/	Total Pumping	SWP Pumping 1/, 2/	Federal
1	5,919	4,923	0	0	10,284	6,540	221
2	7,045	6,063	0	0	19,713	14,572	182
3	7,238	6,717	0	0	15,344	10,081	208
4	7,175	6,659	0	0	11,999	6,984	210
5	7,087	6,566	0	0	13,432	6,378	220
6	9,188	8,661	0	0	20,561	6,688	209
7	7,276	6,749	0	0	8,051	3,757	214
8	8,870	8,368	0	0	10,208	5,032	211
9	10,738	10,216	0	0	9,108	5,050	186
10	10,337	9,816	0	0	6,702	3,738	283
11	9,873	9,349	0	0	7,952	4,823	210
12	10,435	8,309	0	0	8,352	4,606	177
13	9,005	6,883	0	0	14,918	7,870	171
14	7,319	5,238	0	0	8,735	5,873	176
15	9,040	7,033	0	0	11,109	7,300	189
16	9,581	7,387	0	0	16,921	10,532	162
17	11,031	8,928	0	0	13,861	9,744	159
18	12,469	10,330	0	0	8,785	4,032	181
19	11,049	8,928	0	0	10,737	6,581	184
20	13,877	11,879	0	0	16,319	10,115	178
21	7,411	5,304	0	0	9,127	5,414	170
22	7,922	5,763	0	0	11,923	7,276	185
23	6,579	4,499	0	0	14,661	2,666	165
24	9,459	5,276	0	0	13,750	-22	143
25	8,105	3,931	0	0	8,744	-354	161
26	8,398	4,251	0	0	8,485	-284	156
27	10,134	6,144	0	0	19,948	-850	163
28	8,985	4,820	0	0	7,373	-644	181
29	8,612	4,387	0	0	7,296	-583	148
Total	260,157	203,377	0	0	344,398	152,915	5,403

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

February 2000

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

Capacity: 34,560 ac-ft

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jan 31	327.01	20,206					
1	327.04	20,220	14	7	0	0	0
2	327.06	20,230	10	5	0	0	0
3	327.07	20,234	4	2	0	0	0
4	327.08	20,239	5	3	0	0	-1
5	327.09	20,244	5	3	0	0	-1
6	327.10	20,248	4	2	0	0	0
7	327.11	20,253	5	3	0	0	-1
8	327.13	20,262	9	5	0	0	-1
9	327.14	20,267	5	3	0	0	-1
10	327.15	20,272	5	3	0	0	-1
11	327.20	20,295	23	12	0	0	-1
12	327.34	20,360	65	33	0	0	0
13	328.74	21,019	659	332	0	0	0
14	330.83	22,025	1,006	682	0	175	0
15	330.71	21,966	-59	170	0	200	1
16	330.27	21,753	-213	93	0	200	-1
17	329.85	21,550	-203	98	0	200	-1
18	329.26	21,267	-283	57	0	200	1
19	328.61	20,958	-309	44	0	200	0
20	327.90	20,623	-335	31	0	200	0
21	327.24	20,314	-309	44	0	200	0
22	326.56	19,998	-316	41	0	200	-1
23	327.66	20,510	512	458	0	200	0
24	327.56	20,463	-47	176	0	200	1
25	327.13	20,262	-201	99	0	200	-1
26	326.59	20,012	-250	74	0	200	0
27	326.42	19,933	-79	118	0	158	0
28	326.55	19,993	60	130	0	100	0
29	326.48	19,961	-32	84	0	100	
Total			-245	2,812	0	2,933	-8
Mean cfs			---	91	0	83	---
Acre-feet			-245	5,578	0	5,821	-8

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations
February 2000

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Computed Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Jan 31	602.60	826					
1	602.60	826		2	0	2	
2	602.60	826		2	0	2	
3	602.60	826		2	0	2	
4	602.60	826		2	0	2	
5	Not Observed			2	0	2	
6	602.60	826		2	0	2	
7	602.60	826		2	0	2	
8	Not Observed			2	0	2	
9	Not Observed			2	0	2	
10	602.60	826		2	0	2	
11	602.60	826		2	0	2	
12	602.60	826		2	0	2	
13	602.65	829	3	4	0	2	
14	602.70	832	3	5	0	3	
15	602.70	832		3	0	3	
16	602.65	829	-3	1	0	3	
17	Not Observed	829		3	0	3	
18	602.60	826	-3	1	0	3	
19	Not Observed			3	0	3	
20	Not Observed			3	0	3	
21	602.65	829	3	5	0	3	
22	Not Observed			3	0	3	
23	602.80	838	9	13	0	8	
24	602.80	838		12	0	12	
25	602.75	835	-3	8	0	10	
26	Not Observed			10	0	10	
27	602.70	832	-3	4	0	6	
28	602.70	832		6	0	6	
29	602.70	832		6	0	6	
Total			6	114	0	111	---
Mean cfs			---	4	0	4	---
Acre-feet			6	226	0	220	0

1/ Not available on a daily basis

Table 19a. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

February 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending					USBR	Transfer 1/	DWR Recreation	USBR Recreation			
	No.	Structure	Mile									
2B	12	Check No. 12	66.71		401,666							
3	13	O'Neill Forebay		Department of Parks and Recreation				0	0			
		Outlet Check No. 13	70.85	Department of Fish & Game	74			41	33			
		Thru	70.91	San Luis Water District	552	552						
			85.08		(Floodwater Inflow)						0	
		Reach 3 Subtotal:				626	552	0	41	33		
		Dos Amigos Pumping Plant	86.73		260,157							
4	14	Thru	89.03	San Luis Water District	2,298	2,298						
			94.06									
			89.66							Pacheco Water District	1,008	1,008
			89.67									
		89.68	Panoche Water District	4	4							
	89.70	City of Dos Palos	64	64								
		Check No. 14	95.06									
	15	Thru	98.15	San Luis Water District	78	78						
			104.20									
			96.15							Panoche Water District	2,929	2,929
102.64			(Floodwater Inflow)									
102.64		Broadview Water District	2	2								
105.22	Westlands Water District	4,821	4,821									
108.64												
		Check No.15	108.50									
				Pacheco Water District Total:	1,008	1,008	0	0	0			
				Broadview Water District Total:	2	2	0	0	0			
				City of Dos Palos Total:	64	64	0	0	0			
				SLWD Reach 4 Subtotal:	2,376	2,376	0	0	0			
				Panoche Water District Total:	2,933	2,933	0	0	0			
				SLWD Total:	2,928	2,928	0	0	0			
				Westlands WD Reach 4 Subtotal:	4,821	0	4,821	0	0			

1/ Transfer of CVC water; Lower Tule River I. D. 2,721 AF, County of Fresno, 2,100 AF.

Table 19b. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

February 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries							
	Beginning and Ending					USBR	Transfer 1/	DWR Recreation	USBR Recreation				
	No.	Structure	Mile										
5	16		110.52	(Reverse flow, Kings River)	0	3,625	2,516						
			Thru	Westlands Water District	6,141								
			122.05	Department of Fish and Game	0								
		Check No. 16		122.07									
	17		124.18	Westlands Water District	5,592	5,592							
			Thru								132.74		
		Check No. 17		132.95									
	18		133.81	Westlands Water District	4,808	4,808							
			Thru								142.61		
			Pleasant Valley Pumping Plant								143.16	Westlands Water District	3,079
			143.16								City of Coalinga	230	230
	Check No. 18		143.23										
				Westlands WD Reach 5 Subtotal:	19,850	17,334	2,516	0	0				
6	19		145.26	Westlands Water District	9,649	9,649							
			Thru							151.19			
	Check No. 19		155.64										
				Westlands WD Reach 6 Subtotal:	9,649	9,649	0	0	0				
7	20		156.34	City of Huron	37	5,718	5,718						
			156.40	Westlands Water District	5,718								
			Thru							163.69			
		Check No. 20		164.69									
	21		164.79	City of Avenal	159	1,364	1,364						
			167.04	Westlands Water District	1,364								
	Check No. 21		171.67										
			172.40		219,579								
				Reach 7 Total:	7,278	7,278	0	0	0				
				Westlands WD Total:	41,172	33,835	7,337	0	0				
				City of Coalinga Total:	230	230	0	0	0				
				City of Huron Total:	37	37	0	0	0				
				City of Avenal Total:	159	159	0	0	0				
				Phase I Water Total:	7	7	0	0	0				
Total San Luis Field Division Deliveries:					48,614	41,203	7,337	41	33				

1/ Transfer of CVC water, Lower Tule River I. D. 2,516 AF.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations

February 2000

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non-Project 2/	Dos Amigos Pumping Plant	Pools 14 & 15 3/	Pool 15	Pools 15 thru 21 4/	Flow Past Check 21	
Jan 31	27,822								
1	27,425	-397	0	2,984	34	29	469	2,829	177
2	26,827	-598	0	3,552	32	21	479	3,559	237
3	27,473	646	0	3,649	67	57	432	2,837	70
4	26,982	-491	0	3,617	67	57	432	3,320	12
5	27,157	175	0	3,573	73	72	601	2,730	-9
6	28,123	966	0	4,632	73	66	631	3,318	-57
7	26,791	-1,332	0	3,668	90	80	791	3,530	151
8	26,837	46	0	4,472	89	66	810	3,651	167
9	27,308	471	0	5,414	100	52	928	4,058	-39
10	27,697	389	0	5,211	85	66	957	3,874	-33
11	27,349	-348	0	4,978	85	61	988	4,052	33
12	28,296	947	0	5,261	14	50	1,020	3,616	-84
13	27,534	-762	0	4,540	15	50	945	4,255	341
14	27,161	-373	0	3,690	78	60	887	3,150	297
15	27,313	152	0	4,558	75	55	831	3,847	327
16	26,990	-323	0	4,830	65	55	853	4,175	156
17	27,189	199	0	5,561	45	39	820	4,700	144
18	27,685	496	0	6,286	43	39	814	5,177	37
19	26,883	-802	0	5,570	16	36	861	5,298	237
20	28,890	2,007	0	6,996	56	56	789	5,523	439
21	28,667	-223	0	3,736	56	46	758	3,266	278
22	28,051	-616	0	3,994	93	62	707	3,698	255
23	26,746	-1,305	0	3,317	89	62	688	3,626	490
24	28,636	1,890	0	4,769	34	51	602	2,978	-151
25	28,146	-490	0	4,086	35	52	603	3,873	230
26	27,241	-905	0	4,234	51	35	565	4,212	173
27	27,469	228	0	5,109	51	65	556	4,460	138
28	28,294	825	0	4,530	68	20	573	3,521	67
29	28,662	368	0	4,342	59	19	587	3,569	77
Total		840	0	131,159	1,738	1,479	20,977	110,703	4,160
Mean cfs		- - -	0	4,529	60	52	728	3,826	143
Acre-feet		840	0	260,157	3,448	2,933	41,607	219,579	8,250

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Pump In of Non-Project Water (0 AF @ Lat.7L) and Flood Water (0 AF) is included in the gain or loss.

3/ Includes 1,007 AF AG & 1 AF M&I to Pacheco W.D. and 64 AF to the City of Dos Palos.

4/ Includes 37 AF to the City of Huron, 159 AF to the City of Avenal, 230 AF to the City of Coalinga, 7 AF Phase I Water in Pool 16 @ WWD Lateral 7R, and 2 AF to Broadview W.D.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

February 2000

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	95	95	22	21	23	3,762	3,853	3,709	3,545
2	132	132	46	42	48	3,831	3,858	3,735	3,760
3	151	151	48	44	50	3,182	3,144	3,050	3,043
4	151	151	40	37	46	3,575	3,138	3,022	2,968
5	122	122	15	15	17	3,222	3,126	3,083	3,107
6	98	98	46	43	48	3,096	3,073	2,948	2,981
7	168	168	29	26	30	3,441	3,313	3,142	3,150
8	286	286	46	42	50	3,436	3,307	3,162	3,150
9	250	250	25	23	29	4,646	4,369	4,246	4,305
10	327	327	46	42	47	4,246	4,151	4,052	4,050
11	390	390	48	44	49	4,298	4,084	3,912	3,859
12	284	284	23	21	23	3,392	3,199	3,108	3,126
13	342	342	30	28	30	4,074	3,992	3,920	3,867
14	351	351	46	43	48	3,213	3,027	2,913	2,911
15	392	392	46	41	47	3,443	3,357	3,266	3,300
16	297	297	48	47	51	2,855	2,816	2,686	2,691
17	313	313	68	65	71	2,860	2,724	2,661	2,637
18	296	296	73	68	75	3,259	3,191	3,077	3,062
19	214	214	40	37	41	3,779	3,692	3,575	3,575
20	220	220	74	68	76	4,917	4,677	4,597	4,512
21	198	198	68	66	72	3,097	3,096	2,943	2,979
22	222	222	49	46	52	2,577	2,454	2,398	2,384
23	196	196	68	61	67	3,144	2,388	2,341	2,239
24	188	188	66	62	71	1,837	1,588	1,503	1,443
25	199	199	66	60	68	2,199	2,022	2,007	2,032
26	182	182	25	24	27	3,833	3,824	3,722	3,736
27	175	175	43	38	45	3,832	3,515	3,373	3,304
28	100	100	21	18	22	2,881	2,861	2,735	2,721
29	105	105	28	27	32	3,039	2,890	2,737	2,758
Total	6,444	6,444	1,293	1,199	1,355	98,966	94,729	91,623	91,195

Table 22a. Governor Edmund G. Brown California Aqueduct
San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

February 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending					Entitle-ment	USBR	Carry-over Ent.	Inter-ruptible Ent.	Other	
	No.	Structure	Mile								
7	21	Check No. 21	172.40		219,579						
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	528	497		1,756	6,525	1/ 528	
				County of Kings TL - A	0						
				TLBWSD TL-A	8,940						
8D				DRWD - 1	497	57		3,619	12,412	1,035	
				DRWD - 1B	57						
				TLBWSD - C	0						
				DRWD - 1A	287						
				DRWD - 2	1,818						
				Tulare Lake Basin WSD TL - B	17,066						
31A				Coastal Branch	6,444						
8D				Dudley Ridge Water Dist. DRWD - 3	726	1,395	0	0	1,990	0	
				Dudley Ridge Reach 8D Total:	3,385						
				Tulare Lake Basin WSD Total:	26,006						
		Check No. 22	184.82			0	0	5,375	18,937	2/ 1,694	
9	23			Kern County Water Agency Lost Hills Water Dist. - 1	2,538	338			2,200		
				Kern County Water Agency Lost Hills Water Dist. - 2	226						
				Kern County Water Agency Lost Hills Water Dist. - 3	18						
				Kern County Water Agency Berrenda Mesa - 2	0						
				Kern County Water Agency Lost Hills Water Dist. - 4	506						
				K.C.W.A. Reach 9 Subtotal:	3,288						
		Check No. 23	197.05			1,088	0	0	2,200	0	
10A	24			Kern County Water Agency Lost Hills Water Dist. - 7	774	774					
				Kern County Water Agency Lost Hills Water Dist. - 5	1,291						
				Kern County Water Agency Lost Hills Water Dist. - 6	0						
				Kern County Water Agency Lost Hills Water Dist. - 8	0						
				Check No. 24	207.94						
	25				Kern County Water Agency Belridge Water Storage Dist. - 1A	774	774				
					Kern National Wildlife Refuge USBR BV-1B	0					
					Kern County Water Agency Buena Vista WSD 1B	1,284					
					KCWA Semitropic WSD	8,491					
					KCWA Semitropic WSD Penstocks	15,251					
				USBR Total:	0	0	0	0	0	0	
				KCWA Reach 10A Subtotal:	27,865	5,017	0	0	6,988	3/ 15,860	

1/ Unscheduled water as per Empire West Side ID. Letter for Contract dated 3/6/00.

2/ Arvin-Edison/Tulare, Exchange agreement in progress.

3/ Included in this amount are 8,430 AF Westlands WD CVP exchange, and 7,430 AF of Interruptible Entitlement stored in Semitropic WSD for: Santa Clara Valley WD (5,210 AF), Alameda County WD (880 AF), and Alameda County WD - Zone 7 (1,340 AF).

Table 22b. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

February 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending					Entitle-ment	Federal Wheeling 2/	Carry-over Ent.	Exch. Carry-over	Inter-ruptible Ent.	Other	
	No.	Structure	Mile									
11B	25		210.75	Kern County Water Agency Belridge - 2	0	424						
			214.11	Kern County Water Agency Belridge - 3	424							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5	3,486	496		389		1,101	3/ 1,500	
				Kern County Water Agency Belridge - 5D	364							
			Check No. 25	217.79								
K.C.W.A. Reach 11B Subtotal:					4,274	1,284	0	389	0	1,101	1,500	
12D	26		219.58	Kern County Water Agency Belridge - 6	0							
			Check No. 26	224.92								
12E	27		230.37	Kern County Water Agency Buena Vista - 6	5,138	4,975					4/ 163	
			Check No. 27	231.73								
	28			235.75	Kern County Water Agency Buena Vista - 2	7,887	2,311		190	767	27	5/ 4,592
					Kern County WA CVC	0						
					Friant Water Users Authority	3,176						
					KCWA CVC	16,939						
				238.04	Tulare Co.	0						
					Lower Tule River	0						
					Fresno Co.	0						
					Pixley ID	0						
		Hacienda DWR Wells	0									
Check No. 28	238.11											
1/ Arvin Edison Total:					0	0	0	0	0	0	0	
Reach 12E Subtotal:					33,140	7,286	3,176	190	767	16,966	4,755	
13B	29		241.02	Kern River Intertie (inflow)	0	5,228		148	429	523	2,854	
			242.85	KCWA Buena Vista WSD - 7	5,805							
			243.09	KCWA Buena Vista WSD - 5	523							
			243.09	Kern County Water Agency Buena Vista - 3	983							
	Check No. 29	244.54	Buena Vista WSD	0								
	30			249.85	Kern County Water Agency Buena Vista - 4	0			43	983		
Buena Vista Pumping Plant				250.99		98,966						
K.C.W.A. Reach 13B Subtotal:					10,208	5,228	0	148	472	4,360	0	
14A	31		254.47	Kern County Water Agency West Kern - 2	0							
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	20							20

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Wheeling Federal Water for Friant Water Users Authority as per letter dated July 28, 1999.

3/ Dudley Ridge WD transfer of Carryover Entitlement to KCWA per DRWD letter dated 12/21/99.

4/ Dudley Ridge WD transfer of interruptible Entitlement to Kern Water Bank per DRWD letter dated 1/12/00.

5/ MWD Carryover Entitlement stored in Arvin-Edison WSD per agreement dated 12/29/97; amended and extended by DWR letter dated 4/13/99.

Table 22c. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

February 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending					Entitle-ment	Carry-over Ent.	Exch. Carry-over	Inter-ruptible Ent.	Other	
	No.	Structure	Mile								
14A	31	Check No. 31	256.14								
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	70		70				
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	593		157		436		
		Check No. 32	261.72								
				KCWA Reach 14A Subtotal:	683	0	247		436	0	
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	2,091		1,289		802		
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	89			89			
		Check No. 33	267.36								
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	1,154				1,154		
		Check No. 34	271.27								
				Reach 14B Total:	3,334	0	1,289	0	2,045	0	
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	1,154		913		241		
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	403			403			
				Reach 14C Total:	1,557	0		913	0	644	0
		Teerink Pumping Plant	278.13		94,729						
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	338		338				
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	626			313		313	
				Reach 15-A Total:	964	0		651	0	313	0
		Chrisman Pumping Plant	280.36		91,623						
	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0						
		Check No. 37	283.95								
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	0		83				
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	83						
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0						
		Check No. 38	287.09								
16A	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	12		12				
		Check No. 39	290.21								
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	170		170				
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	18			6		12	
				Kern County Water Agency Tehachapi Cummings CWD	0					371	
				K.C.W.A. Reach 16A Subtotal:	654	0		271	0	383	0
17E		Edmonston Pumping Plant	293.45		91,195						

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

February 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries									
	Beginning and Ending					Entitle-ment	Carry-over Ent.	Exch. Carry-over	Inter-ruptible Ent.	Other 1/					
	No.	Structure	Mile												
31A	C-1	Coastal Branch Control	0.02		6,444	1,252									
		Las Perillas Pumping Plant	1.16		6,444										
	C-2		3.79	Green Valley Water District	0										
		Badger Hill Pumping Plant	4.27		6,444										
	C-3	Coastal Check No. 3	7.21												
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	1,252										
		Coastal Check No. 4	9.34												
	C-5	Coastal Check No. 5	12.20												
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	288						1,696		536	1,503	288
			14.83	Kern County Water Agency Berrenda Mesa - DD	0										
				Kern County Water Agency Berrenda Mesa - PO	3,735										
	Devil's Den Pumping Plant	14.86		1,293											
			K.C.W.A. Reach 31A Subtotal:	4,023	1,696	0	536	1,791	0						
			K.C.W.A. Total:	86,814	21,599	4,098	1,775	37,227	22,115						
33A	C-7	Bluestone Pumping Plant	19.05		1,199	1,107									
	C-8	Polonio Pass Pumping Plant	26.54		1,355										
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant											
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	1,107										
		Tank Site 2	58.63	Central Coast:	0										
C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	264											
34	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0	1,371	0	0	0	0					
				CCWA Total:	1,371										
35	C-12	Guadalupe T.O.	102.70	SBCFC & WCD	0	0	0	0	0	0					
		Santa Maria T.O.	107.43	SBCFC & WCD	0										
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0										
38	C-12			SBCFC & WCD Total:	0	0	0	0	0	0					
		Tank Site 5	115.42												

1/ Included in this amount is Westlands WD CVP exchange, and Interruptible Entitlement stored in Semitropic WSD for: Santa Clara Valley WD, Alameda County WD, and Alameda County WD-Zone 7. Also included are Dudley Ridge WD transfer of Carryover Entitlement to KCWA, Dudley Ridge WD transfer of Interruptible Entitlement to Kern Water Bank, and MWD Carryover Entitlement stored in Arvin-Edison WSD.

Table 24. Southern Field Division Plant Data

(in acre-feet)

February 2000

Date	West Branch					East Branch							
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation
		Generation	Leakage	Generation	Pumpback	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume	
1	1,084	1,161	0	2,670	0	2,488	0	0	2,316	2,359	0	0	2,454
2	1,193	1,185	0	2,727	832	2,562	0	0	2,368	2,566	0	0	2,272
3	1,014	1,222	0	3,742	1,581	1,938	0	0	1,849	1,733	0	0	2,390
4	1,041	1,294	0	1,441	790	1,926	0	0	1,822	1,898	0	0	2,276
5	1,152	1,640	0	84	178	1,982	0	0	1,868	2,002	0	0	2,106
6	633	0	0	115	3,607	2,313	0	0	2,231	2,102	0	0	2,239
7	851	937	0	5,082	1,690	1,899	0	267	1,953	2,169	0	0	2,413
8	861	986	0	4,605	2,285	1,926	0	301	1,968	2,014	0	0	2,584
9	1,057	942	0	3,099	1,220	2,877	0	310	2,849	3,040	0	0	2,423
10	842	946	0	3,791	628	3,045	0	191	2,968	2,704	0	0	2,536
11	848	995	0	307	0	2,744	0	205	2,970	3,252	0	0	2,116
12	867	1,096	0	368	0	1,960	0	279	1,981	2,258	0	0	1,862
13	1,691	909	0	304	3,129	2,661	0	0	2,598	2,399	0	0	1,861
14	1,061	751	0	2,880	913	1,843	0	0	1,307	1,496	0	0	1,905
15	1,054	1,090	0	255	702	2,197	0	0	1,802	2,115	0	0	2,030
16	1,208	1,333	0	5,504	1,592	1,441	0	0	1,354	1,314	0	0	1,753
17	1,198	1,250	0	3,359	0	1,408	0	0	1,408	1,401	0	0	1,675
18	1,111	1,235	0	465	0	1,715	0	173	2,153	2,087	0	0	2,110
19	1,359	1,442	0	47	0	2,233	0	0	1,868	2,173	0	0	2,044
20	1,954	1,443	0	521	1,539	2,643	0	0	2,257	2,326	0	0	2,040
21	1,149	1,442	0	1,742	1,623	1,787	0	137	1,511	1,611	0	0	2,032
22	309	78	0	162	0	1,952	0	57	2,107	2,020	0	0	2,088
23	0	0	0	1,334	467	2,147	0	155	2,202	2,222	0	0	2,195
24	0	0	0	1,600	0	38	0	1,333	1,225	1,417	0	0	2,054
25	463	955	0	482	0	340	0	1,161	1,271	1,068	0	0	1,881
26	1,580	2,389	0	287	0	1,717	0	0	1,659	1,775	0	0	2,046
27	1,535	369	0	573	0	1,772	0	0	1,675	1,770	0	0	1,845
28	879	1,321	0	1,567	0	1,845	0	0	1,710	1,614	0	0	2,151
29	1,093	1,322	0	1,322	0	1,621	0	0	1,601	1,557	0	0	2,106
Total	29,087	29,733	0	50,435	22,776	57,020	0	4,569	56,851	58,462	0	0	61,487

Table 25. Pyramid Lake

Daily Operation

February 2000

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow			Computed Losses (-) Gains (+)
				Project		Natural	Project		Natural	
				Castaic Powerplant Pumpback	Warne Powerplant	Stream Flow	Castaic Powerplant Generation	Recreation Deliveries	To Piru Creek	
Jan 31	2574.68	165,650								
1	2573.59	164,270	-1,380	0	1,161	32	2,670	0	20	117
2	2573.00	163,526	-744	832	1,185	31	2,727	0	20	-45
3	2572.18	162,496	-1,030	1,581	1,222	29	3,742	0	20	-100
4	2572.68	163,124	628	790	1,294	30	1,441	0	20	-25
5	2574.01	164,801	1,677	178	1,640	31	84	0	20	-68
6	2576.71	168,241	3,440	3,607	0	31	115	0	20	-63
7	2574.78	165,777	-2,464	1,690	937	33	5,082	0	20	-22
8	2573.71	164,422	-1,355	2,285	986	32	4,605	0	20	-33
9	2572.88	163,375	-1,047	1,220	942	31	3,099	0	20	-121
10	2571.11	161,158	-2,217	628	946	38	3,791	0	20	-18
11	2571.72	161,920	762	0	995	51	307	0	20	43
12	2572.33	162,684	764	0	1,096	98	368	0	20	-42
13	2574.97	166,019	3,335	3,129	909	69	304	0	20	-448
14	2574.02	164,814	-1,205	913	751	57	2,880	0	20	-26
15	2575.25	166,375	1,561	702	1,090	56	255	0	20	-12
16	2573.13	163,690	-2,685	1,592	1,333	54	5,504	0	20	-140
17	2571.41	161,533	-2,157	0	1,250	55	3,359	0	20	-83
18	2572.03	162,308	775	0	1,235	53	465	0	20	-28
19	2573.16	163,728	1,420	0	1,442	52	47	0	20	-7
20	2575.57	166,783	3,055	1,539	1,443	246	521	0	109	457
21	2577.17	168,832	2,049	1,623	1,442	508	1,742	0	198	416
22	2577.03	168,652	-180	0	78	187	162	0	198	-85
23	2576.54	168,023	-629	467	0	242	1,334	0	198	194
24	2575.23	166,350	-1,673	0	0	200	1,600	0	198	-75
25	2575.58	166,796	446	0	955	157	482	0	198	14
26	2577.50	169,257	2,461	0	2,389	205	287	0	198	352
27	2577.48	169,231	-26	0	369	244	573	0	198	132
28	2577.15	168,806	-425	0	1,321	233	1,567	0	198	-214
29	2577.21	168,883	77	0	1,322	181	1,322	0	198	94
Total			3,233	22,776	29,733	3,266	50,435	0	2,271	164

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,746 ac-ft

February 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) Gains (+)
				Castaic Powerplant Generation	Natural	Castaic Powerplant Pumpback	To Castaic Lake		
							Natural	Project	
Jan 31	1509.56	19,015							
1	1511.72	19,852	837	2,670	2	0	2	1,832	-1
2	1513.02	20,365	513	2,727	2	832	2	1,379	-3
3	1514.90	21,120	755	3,742	2	1,581	2	1,405	-1
4	1513.16	20,421	-699	1,441	2	790	2	1,341	-9
5	1512.90	20,317	-104	84	2	178	2	0	-10
6	1503.79	16,870	-3,447	115	2	3,607	2	0	45
7	1512.87	20,305	3,435	5,082	2	1,690	2	0	43
8	1514.69	21,035	730	4,605	3	2,285	3	1,580	-10
9	1519.26	22,926	1,891	3,099	3	1,220	3	0	12
10	1526.62	26,139	3,213	3,791	5	628	5	0	50
11	1518.28	22,513	-3,626	307	11	0	11	3,875	-58
12	1519.12	22,867	354	368	29	0	29	0	-14
13	1512.32	20,088	-2,779	304	11	3,129	11	0	46
14	1517.18	22,055	1,967	2,880	11	913	11	0	0
15	1510.01	19,188	-2,867	255	8	702	8	2,420	0
16	1514.97	21,148	1,960	5,504	11	1,592	11	1,939	-13
17	1518.11	22,442	1,294	3,359	10	0	10	2,065	0
18	1512.41	20,123	-2,319	465	8	0	8	2,781	-3
19	1512.54	20,175	52	47	7	0	7	0	5
20	1510.06	19,207	-968	521	96	1,539	96	0	50
21	1511.06	19,594	387	1,742	226	1,623	226	0	268
22	1504.98	17,302	-2,292	162	96	0	96	2,119	-335
23	1508.38	18,566	1,264	1,334	378	467	378	0	397
24	1506.75	17,955	-611	1,600	125	0	125	1,858	-353
25	1503.26	16,679	-1,276	482	72	0	72	1,738	-20
26	1502.56	16,429	-250	287	55	0	55	767	230
27	1504.36	17,077	648	573	61	0	61	30	105
28	1508.68	18,680	1,603	1,567	55	0	55	0	36
29	1506.14	17,729	-951	1,322	54	0	54	2,196	-77
Total			-1,286	50,435	1,349	22,776	1,349	29,325	380

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

February 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) Gains (+)
				From Elderberry Forebay		Natural	Deliveries	Released To Castaic Lagoon	
				Natural	Project				
Jan 31	1498.37	287,775							
1	1498.71	288,484	709	2	1,832	6	997	0	-134
2	1498.99	289,070	586	2	1,379	6	993	0	192
3	1499.07	289,237	167	2	1,405	6	972	0	-274
4	1499.33	289,781	544	2	1,341	5	992	10	198
5	1498.87	288,819	-962	2	0	5	955	10	-4
6	1498.42	287,879	-940	2	0	5	952	10	15
7	1497.94	286,879	-1,000	2	0	5	971	10	-26
8	1498.00	287,004	125	3	1,580	4	1,101	10	-351
9	1497.46	285,880	-1,124	3	0	4	1,085	10	-36
10	1497.01	284,946	-934	5	0	11	1,011	10	71
11	1498.45	287,942	2,996	11	3,875	13	1,000	0	97
12	1498.07	287,149	-793	29	0	45	972	0	105
13	1497.64	286,255	-894	11	0	18	912	0	-11
14	1497.22	285,382	-873	11	0	26	939	0	29
15	1497.93	286,858	1,476	8	2,420	23	892	0	-83
16	1498.44	287,921	1,063	11	1,939	25	962	20	70
17	1498.98	289,049	1,128	10	2,065	27	962	20	8
18	1499.83	290,829	1,780	8	2,781	14	983	20	-20
19	1499.43	289,991	-838	7	0	11	880	20	44
20	1499.05	289,195	-796	96	0	21	868	20	-25
21	1498.85	288,777	-418	226	0	302	855	20	-71
22	1499.66	290,473	1,696	96	2,119	118	900	99	362
23	1499.40	289,928	-545	378	0	274	918	149	-130
24	1500.03	291,249	1,321	125	1,858	160	906	198	282
25	1500.41	292,048	799	72	1,738	64	911	198	34
26	1500.23	291,670	-378	55	767	42	983	99	-160
27	1499.81	290,787	-883	61	30	49	1,013	99	89
28	1499.36	289,844	-943	55	0	45	933	99	-11
29	1500.02	291,228	1,384	54	2,196	36	908	79	85
Total			3,453	1,349	29,325	1,370	27,726	1,210	345

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

February 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending					Entitle-ment	Rec.	Local	Exch. Carry-over	CLWA T1		
	No.	Structure	Mile									
29A	42	Oso Pumping Plant	1.49		51,518							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved							
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
29G		Warne Power Plant	14.07		50,944							
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	0							
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0							
29J	W4	Castaic Power Plant	25.82	(81,547 AF pumpback)	118,605							
		Elderberry Forebay										
		Forebay Dam	28.12									
30 1/	W5	Castaic Lake		Calif. State Park Castaic Lake Recreation	9		9					
		Castaic Dam	31.47									
		Castaic Lake Outlet	31.55	MWD - 78"			26,176				26,176	
				MWD - 132"			1,342					1,342
				MWD-Castaic Lake WA - T1			-1,342					-1,342
				Castaic Lake WA - T1			1,342	1,342				
				Castaic Lake WA			45	45				
				United Water Conservation Dist.			0					
				MWD - Ventura County FCD			154	154				
				LA Co. Parks & Recreation			0					
Releases to Lagoon			1,210									
Reach 30 Subtotal:					27,726	1,541	9	0	26,176	0		
	W6	Castaic Lagoon		Recreation to Lagoon	146		146					
		Castaic Lagoon Outlet	31.87		691							

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

Table 29. Silverwood Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 74,970 ac-ft

February 2000

Date	Water Surface Elev. (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) Gains (+)	Las Flores Ranch Exchange 1/
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Inflow	Project			Del. To Mojave W.A.	Natural To Mojave River		
							Delivered to CLAWA	Rec.	San Bernardino Tunnel				
Jan 31	3350.05	70,223											
1	3349.95	70,129	-94	2,359	0	1	4	0	2,454	0	1	5	1
2	3350.26	70,421	292	2,566	0	1	4	0	2,272	0	0	1	2
3	3349.56	69,763	-658	1,733	0	1	4	0	2,390	0	1	3	2
4	3349.16	69,388	-375	1,898	0	1	2	0	2,276	0	0	4	2
5	3349.08	69,313	-75	2,002	0	1	0	0	2,106	0	1	29	2
6	3348.90	69,145	-168	2,102	0	1	0	0	2,239	0	0	-32	2
7	3348.71	68,968	-177	2,169	0	1	0	0	2,413	0	1	67	2
8	3348.11	68,409	-559	2,014	0	1	3	0	2,584	0	0	13	2
9	3348.75	69,005	596	3,040	0	1	4	0	2,423	0	1	-17	2
10	3349.06	69,295	290	2,704	0	11	6	0	2,536	0	0	117	2
11	3350.29	70,450	1,155	3,252	0	8	1	0	2,116	0	1	13	2
12	3350.81	70,941	491	2,258	0	19	0	0	1,862	0	0	76	2
13	3351.32	71,425	484	2,399	0	5	0	0	1,861	0	1	-58	2
14	3350.75	70,884	-541	1,496	0	4	0	0	1,905	0	0	-136	2
15	3350.84	70,970	86	2,115	0	4	5	0	2,030	0	1	3	2
16	3350.53	70,676	-294	1,314	0	23	4	0	1,753	0	0	126	2
17	3350.26	70,421	-255	1,401	0	17	4	1	1,675	0	1	8	3
18	3350.23	70,393	-28	2,087	0	8	6	0	2,110	0	0	-7	3
19	3350.30	70,459	66	2,173	0	6	6	0	2,044	0	1	-62	4
20	3351.19	71,302	843	2,326	0	60	5	0	2,040	0	0	502	4
21	3351.22	71,330	28	1,611	0	298	4	0	2,032	0	1	156	4
22	3351.21	71,321	-9	2,020	0	120	4	0	2,088	0	1	-56	16
23	3351.91	71,987	666	2,222	0	418	1	0	2,195	0	41	263	37
24	3351.54	71,634	-353	1,417	0	217	0	0	2,054	0	77	144	45
25	3350.39	70,544	-1,090	1,068	0	82	0	1	1,881	0	150	-208	45
26	3350.23	70,393	-151	1,775	0	53	0	0	2,046	0	175	242	46
27	3350.08	70,252	-141	1,770	0	56	0	0	1,845	0	99	-23	46
28	3349.61	69,810	-442	1,614	0	55	0	0	2,151	0	97	137	46
29	3349.00	69,238	-572	1,557	0	41	0	0	2,106	0	98	34	46
Total			-985	58,462	0	1,514	67	2	61,487	0	749	1,344	376

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

February 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Jan 31	1584.97	119,968				
1	1584.99	120,013	45		10	
2	1584.98	119,990	-23		117	
3	1584.98	119,990	0		35	
4	1584.98	119,990	0		10	
5	1585.01	120,058	68		10	
6	1585.03	120,103	45		10	
7	1585.04	120,125	22		10	
8	1585.03	120,103	-22		10	
9	1585.02	120,080	-23		10	
10	1585.00	120,035	-45		10	
11	1585.00	120,035	0		10	
12	1585.00	120,035	0		10	
13	1584.98	119,990	-45		11	
14	1584.99	120,013	23		11	
15	1585.01	120,058	45		11	
16	1585.00	120,035	-23		11	
17	1584.98	119,990	-45		11	
18	1584.96	119,945	-45		11	
19	1584.94	119,901	-44		11	
20	1584.98	119,990	89		53	
21	1585.09	120,237	247		41	
22	1585.07	120,192	-45		12	
23	1585.12	120,305	113		12	
24	1585.12	120,305	0		12	
25	1585.10	120,260	-45		11	
26	1585.11	120,282	22		12	
27	1585.08	120,215	-67		11	
28	1585.09	120,237	22		12	
29	1585.08	120,215	-22		11	
Total			247	540	516	223

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31a. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

February 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries									
	Beginning and Ending					Entitle-ment	Rec.	Transfer	Exch. Carry-over	Local					
	No.	Structure	Mile												
17E	40	Edmonston Pumping Plant	293.45		91,195	1	756	62	0	0					
	41		298.65	Kern County Water Agency Tej.-Cas	Stub										
	17F	Check No. 41	303.41												
18A	42	Check No. 42	304.99												
19	43	Alamo Powerplant	305.73	(Does not include 5,845 AF flow down Cottonwood Chute)	64,385										
			308.05	Antelope Valley-East Kern WA	0										
		Check No. 43	309.70												
	44		311.84	LADWP Connection	0										
			313.50	AVEK 245th Street West	0										
		Check No. 44	314.81												
	45		314.93	AVEK 235th Street West	1										
			315.57	AVEK 225th Street West	0										
		Check No. 45	319.74												
	46		323.19	Antelope Valley-East Kern WA Fairmont	818										
Check No. 46		323.84													
Reach 19 Total:					819						757	0	62	0	0
20A	47	Check No. 47	326.77								20	1,389			
	48		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	20										
			329.65	Antelope Valley-East Kern WA 120th Street West	Re-moved										
		Check No. 48	330.82												
	49	Check No. 49	335.93												
50		336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	0											
			Antelope Valley-East Kern WA	1,389											
	Check No. 50	341.51													
	51	Check No. 51	342.07												
20B	52		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use										
		Check No. 52	343.74												
	53		346.98	PWD Palmdale	329										
		348.14	Antelope Valley-East Kern WA Acton Treatment Plant	0											
	Check No. 53	348.17													
21	54	Check No. 54	350.25												
	55	Check No. 55	352.70												
	56	Check No. 56	354.76												
			354.97	Littlerock Creek I.D.	0										
	57	Check No. 57	356.93												
22A	58		357.60	Antelope Valley-East Kern WA	1										
			357.72	Antelope Valley-East Kern WA 96th Street East	21										
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	209										
					209	209									

Table 31b. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

February 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending					Entitle-ment	Recreation	Exch. Carry-over	Inter-ruptible Ent.	Local		
	No.	Structure	Mile									
22B	58	Pearblossom Pumping Plant	360.61		73,127	315						
	59	Check No. 59	366.09									
	60	Check No. 60	373.94									
	61	Check No. 61	379.00									
	62	Check No. 62	384.26									
	63	Check No. 63	389.20		Mojave Water Agency Mojave River						315	
	64	Check No. 64	395.10									
	65	Check No. 65	400.32									
23	66		401.10	Mojave Water Agency Morongo 24" and 42"	508	508						
				Mojave Water Agency Hesperia	0							
23	67	Mojave Siphon	405.48	Las Flores Ranch	376					376		
				Mojave Siphon Powerplant	405.65						(Does not include 0 AF of bypass at Mojave Flume)	59,689
24	67	Silverwood Lake	407.65	Crestline Lake Arrowhead Water Agency	67		2			67		
				Calif. State Park Silverwood Agency (Rec.)	2							
25		San Bernardino Tunnel	411.46		69,780							
											San Gorgonio Pass Water Agency	0
26A	68	Devil Canyon Afterbay Control Structures	412.73	Devil Canyon Powerplant	412.73	526						
											MWD-SC Rialto	19,435
											Desert Water Agency (MWD Wheeling Exchange)	5,544
											San Gabriel Valley Water District	475
											Coachella Valley WD (MWD Wheeling Exchange)	5,544
											San Bernardino Valley Metropolitan Water District	526
28G	69	Santa Ana Valley Pipeline	425.46									
											MWD-SC Box Springs	2,700
28H			440.05	MWD-SC Perris Bypass Pipeline	26,843					15,657		
											MWD-SC 18"	296
28J		Lake Perris	443.44	MWD-SC 54"	64					64		
				MWD-SC 78"	141							
				Calif. State Park Lake Perris Recreation	15							
				MWD Total:	86,897	154	0	59,998	26,745	0		

Table 32. Water Quality At Selected SWP Locations

February 2000

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l	40	40	66	112	70	70	72	75	77
Arsenic	mg/l	< 0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Boron	mg/l	< 0.1	< 0.1	0.2	0.6	0.2	0.2	0.2	0.2	0.2
Bromide	mg/l	< 0.01	< 0.01	0.10	0.27	0.12	0.12	0.14	0.16	0.22
Calcium	mg/l	8	6	20	39	21	21	22	23	21
Carbon - Total Organic	mg/l	NR	11	6	5	6	6	NR	5	3
Chloride	mg/l	1	4	43	111	48	51	55	61	79
Chromium	mg/l	< 0.005	< 0.005	< 0.005	0.009	0.006	< 0.005	0.007	0.007	0.007
Copper	mg/l	0.001	0.004	0.003	0.004	0.004	0.003	0.003	0.003	0.003
Fluoride	mg/l	< 0.1	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1
Hardness	mg/l	32	31	95	184	102	102	104	107	106
Iron	mg/l	0.005	0.110	0.066	< 0.005	0.064	0.066	0.043	0.027	0.009
Lead	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Magnesium	mg/l	3	4	11	21	12	12	12	12	13
Manganese	mg/l	< 0.005	0.005	0.021	< 0.005	0.009	< 0.005	< 0.005	< 0.005	0.009
Nitrate + Nitrite	mg/l	< 0.01	0.07	1.20	NR	NR	NR	NR	1.60	0.47
Phosphorus-Ortho	mg/l	< 0.01	0.11	0.09	NR	NR	NR	NR	0.12	0.05
Phosphorus-Total	mg/l	0.01	0.18	0.16	NR	NR	NR	NR	0.18	0.06
Selenium	mg/l	< 0.001	< 0.001	< 0.001	0.003	< 0.001	< 0.001	0.001	0.001	0.001
Sodium	mg/l	4	9	34	102	40	41	44	47	55
Specific Conductance	µS/cm	86	104	380	862	408	415	430	469	508
Sulfate	mg/l	1	4	42	125	46	46	46	49	38
Total Dissolved Solids	mg/l	82	68	216	501	234	243	250	280	280
Trihalomethane Formation Potential	µg/l	NR	NR	NR	NR	NR	NR	NR	NR	NR
Turbidity	NTU	5	97	22	23	17	18	20	18	3
Zinc	mg/l	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.012	0

mg/l milligrams per liter
 µg/l micrograms per liter
 µS/cm microSiemens per centimeter
 NR - Not Reported
 NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

February 2000

Date	Tides (feet above mean sea level)		Flow In CFS			Electrical Conductivity in milliSiemens/crr									Cl in mg/l
	(Antioch) Daily Mean		Net Delta Outflow Index		Rio Vista	Antioch	Chippis Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	Contra Costa Canal Intake
			Mean Daily	Monthly Average	md					md	md				md
	Hi	Half			md	md	md	md	14dm	md	md	md	md	md	
1	2.81	0.89	37,242	37,242	38,649	0.34	0.27	0.17	0.26	0.26	0.55	0.39	0.61	0.56	100
2	2.88	0.91	38,354	37,798	38,202	0.31	0.18	0.17	0.23	0.25	0.47	0.36	0.64	0.56	90
3	3.53	1.45	37,742	37,779	37,533	0.26	0.27	0.17	0.21	0.25	0.41	0.37	0.66	0.55	100
4	3.34	1.33	38,316	37,914	37,580	0.27	0.21	0.16	0.20	0.24	0.39	0.38	0.72	0.57	83
5	3.55	1.46	37,013	37,733	35,873	0.26	0.20	0.16	0.19	0.23	0.35	0.38	0.75	0.58	72
6	3.00	1.08	35,094	37,294	34,426	0.25	0.16	0.16	0.18	0.22	0.31	0.36	0.84	0.61	60
7	2.89	1.02	34,416	36,882	33,215	0.24	0.15	0.16	0.18	0.22	0.30	0.40	0.84	0.63	52
8	2.72	1.01	32,615	36,349	32,524	0.23	0.14	0.16	0.17	0.21	0.28	0.37	0.81	0.61	50
9	2.51	1.00	30,632	35,714	30,690	0.23	0.14	0.16	0.17	0.21	0.26	0.43	0.82	0.63	50
10	2.85	1.17	29,306	35,073	29,498	0.22	0.14	0.16	0.16	0.21	0.25	0.29	0.87	0.63	42
11	2.87	1.15	31,119	34,714	32,840	0.22	0.14	0.16	0.16	0.21	0.24	0.26	0.75	0.67	35
12	3.37	1.40	40,205	35,171	42,631	0.22	0.14	0.17	0.16	0.21	0.23	0.34	0.28	0.60	33
13	3.83	1.71	54,100	36,627	53,165	0.22	0.14	0.18	0.17	0.21	0.23	0.35	0.29	0.64	38
14	4.71	2.30	72,472	39,188	92,988	0.21	0.00	0.19	0.17	0.20	0.22	0.37	0.23	0.62	41
15	3.86	1.70	119,179	44,520	150,738	0.20	0.00	0.16	0.17	0.18	0.22	0.46	0.32	0.68	42
16	4.14	1.90	174,066	52,617	149,900	0.19	0.00	0.14	0.16	0.17	0.21	0.38	0.45	0.49	43
17	4.35	2.08	173,891	59,751	151,628	0.16	0.00	0.14	0.16	0.17	0.21	0.34	0.50	0.40	37
18	4.19	1.92	174,786	66,142	141,181	0.15	0.00	0.13	0.16	0.16	0.20	0.32	0.56	0.34	47
19	4.04	1.89	159,602	71,061	124,710	0.15	0.00	0.12	0.16	0.16	0.20	0.30	0.66	0.31	53
20	4.40	2.27	144,644	74,740	112,453	0.16	0.00	0.13	0.15	0.17	0.19	0.25	0.73	0.31	52
21	4.04	2.24	133,465	77,536	108,676	0.16	0.00	0.13	0.15	0.17	0.19	0.30	0.70	0.31	59
22	3.68	2.02	125,114	79,699	98,592	0.16	0.00	0.14	0.15	0.17	0.19	0.29	0.55	0.32	52
23	3.67	1.99	123,882	81,620	117,356	0.17	0.00	0.14	0.15	0.17	0.18	0.31	0.28	0.33	57
24	3.49	1.78	147,645	84,371	130,311	0.17	0.00	0.15	0.15	0.18	0.18	0.29	0.41	0.35	59
25	3.25	1.55	158,582	87,339	130,739	0.18	0.00	0.14	0.15	0.19	0.18	0.28	0.55	0.35	63
26	3.23	1.68	156,042	89,982	128,599	0.18	0.00	0.14	0.15	0.18	0.18	0.29	0.65	0.33	77
27	3.87	2.15	154,264	92,363	136,622	0.18	0.00	0.14	0.14	0.18	0.18	0.29	0.46	0.33	80
28	2.99	1.67	161,717	94,840	156,421	0.18	0.00	0.13	0.14	0.18	0.17	0.28	0.42	0.32	85
29	3.43	1.78	181,371	97,823	155,751	0.18	0.00	0.12	0.14	0.19	0.17	0.31	0.56	0.34	97

Clifton Court Cl(mg/l)=200X EC - 25
 N.R. = No Record.
 N.C. = Not computed due to insufficient data.

e = Estimated

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio conce dm = Daily Mean
 s = Balanced water conditions with storage withdrawals. md = Mean Daily

**Table 34. Pesticides, Herbicides, and Other Organic
Substances Detected In the SWP**

February 2000

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	September 15, 1999	None Detected	---
California Aqueduct At Banks Pumping Plant	September 15, 1999	MTBE	1.0
Delta Mendota Canal At McCabe Road	September 15, 1999	None Detected	---
California Aqueduct Near Kettleman City (Check 21)	September 15, 1999	None Detected	---
California Aqueduct At Tehachapi Afterbay (Check 41)	September 15, 1999	None Detected	---
Devil Canyon Power Plant At Entrance To Santa Ana Pipeline	September 15, 1999	MTBE	2.4

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

February 2000

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant Load	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	2,895,264	288	19,775	29,428	4,035,264	4,035,264	258,055	288
2	2,854,944	1,440	18,102	25,571	4,020,864	4,020,864	269,455	320
3	2,132,064	10,368	20,034	29,855	4,083,840	4,083,840	277,815	275
4	1,385,280	9,504	20,265	29,876	4,046,016	4,046,016	285,595	279
5	858,240	10,080	19,908	26,390	4,055,232	4,055,232	277,160	273
6	2,016	5,961,312	19,922	29,365	4,312,320	4,312,320	282,105	276
7	2,243,232	1,658,016	19,950	29,673	4,038,528	4,038,528	275,570	264
8	2,622,528	8,928	19,936	29,666	3,644,544	3,644,544	279,705	242
9	3,814,560	14,400	18,858	28,707	3,648,192	3,648,192	292,225	234
10	4,645,152	5,472	19,642	29,477	4,027,584	4,027,584	289,000	238
11	4,201,920	5,760	18,809	28,924	3,988,800	3,988,800	276,060	256
12	1,042,272	228,096	19,866	26,523	3,973,824	3,973,824	262,755	279
13	0	6,023,808	15,232	21,105	4,126,464	4,126,464	262,250	269
14	2,227,680	2,047,392	13,055	21,238	4,217,088	4,217,088	194,520	277
15	6,504,480	3,168	9,121	22,022	4,539,648	4,539,648	106,570	302
16	10,727,424	0	8,596	20,125	4,903,872	4,903,872	84,090	304
17	12,515,040	0	8,470	18,207	4,855,488	4,855,488	74,870	273
18	14,716,800	0	9,331	20,923	5,167,680	5,167,680	73,495	270
19	13,096,800	0	9,009	21,014	4,776,192	4,776,192	62,225	264
20	16,643,808	0	8,484	20,258	5,110,272	5,110,272	83,040	252
21	13,797,792	0	8,351	20,230	5,060,352	5,060,352	63,755	262
22	15,221,088	0	9,807	20,244	4,804,032	4,804,032	85,080	277
23	17,998,272	0	9,016	20,251	4,233,792	4,233,792	101,940	281
24	17,942,112	0	8,092	20,244	3,726,912	3,726,912	87,325	326
25	17,987,040	0	9,009	19,187	3,324,288	3,324,288	98,655	313
26	17,794,656	0	8,925	20,237	3,302,208	3,302,208	89,590	258
27	18,004,320	0	7,700	20,244	3,508,224	3,508,224	87,380	303
28	17,959,104	0	9,639	22,162	3,562,944	3,562,944	102,340	329
29	18,002,880	0	8,974	20,321	3,318,720	3,294,720	77,185	312
Total	259,836,768	15,988,032	395,878	691,467	120,413,184	120,389,184	5,059,810	8,096

Table 36. San Luis Field Division Energy Data

(in kWh)

February 2000

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	802,080	667,080	0	0	3,667,680	2,335,680
2	968,688	833,688	0	0	6,419,232	4,745,232
3	999,504	927,504	0	0	4,854,528	3,189,528
4	1,000,512	928,512	0	0	3,993,120	2,328,120
5	979,632	907,632	0	0	4,512,672	2,142,672
6	1,254,672	1,182,672	0	0	6,900,480	2,244,480
7	994,464	922,464	0	0	2,702,304	1,266,304
8	1,271,376	1,199,376	0	0	3,453,984	1,707,984
9	1,480,176	1,408,176	0	0	3,100,608	1,723,608
10	1,428,480	1,356,480	0	0	2,169,504	1,215,504
11	1,357,776	1,285,776	0	0	2,671,776	1,625,776
12	1,428,624	1,137,624	0	0	2,822,976	1,560,976
13	1,222,128	934,128	0	0	5,029,056	2,653,056
14	1,023,552	732,552	0	0	3,009,888	2,026,888
15	1,310,976	1,019,976	0	0	3,805,632	2,500,632
16	1,270,800	979,800	0	0	5,848,128	3,640,128
17	1,526,544	1,235,544	0	0	4,834,368	3,398,368
18	1,696,320	1,405,320	0	0	2,977,920	1,366,920
19	1,515,600	1,224,600	0	0	3,702,528	2,269,528
20	1,999,872	1,711,872	0	0	5,681,664	3,521,664
21	1,023,552	732,552	0	0	3,215,808	1,910,808
22	1,067,760	776,760	0	0	4,156,416	2,536,416
23	920,592	629,592	0	0	5,097,312	929,312
24	1,273,824	976,824	0	0	4,810,176	-7,824
25	1,096,272	799,272	0	0	3,142,656	-115,344
26	1,149,984	852,984	0	0	3,079,584	-92,416
27	1,405,152	1,126,152	0	0	7,343,136	-312,864
28	1,220,256	923,256	0	0	2,731,104	-225,896
29	1,138,320	841,320	0	0	2,710,368	-203,632
Total	35,827,488	29,659,488	0	0	118,444,608	51,881,608

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

February 2000

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devils Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	7,468	17,840	16,974	16,704	17,226	904,536	1,017,288	2,349,792	8,079,120
2	11,008	27,200	33,768	32,022	34,488	921,816	1,020,888	2,365,056	8,565,840
3	11,222	27,976	35,424	33,138	35,982	750,960	846,144	1,947,456	6,923,520
4	11,274	28,528	30,600	28,692	32,796	841,392	840,168	1,891,584	6,752,160
5	9,290	23,680	12,294	12,438	12,996	759,312	834,840	1,941,984	7,063,920
6	7,692	19,360	33,948	32,706	34,488	768,744	803,736	1,879,488	6,808,320
7	12,272	30,752	21,996	20,484	22,338	805,608	876,816	1,973,088	7,101,360
8	21,924	58,656	34,254	31,608	34,524	817,128	867,600	1,996,704	7,156,800
9	20,386	54,672	19,368	18,378	21,204	1,110,888	1,151,496	2,653,920	9,774,000
10	25,738	67,632	33,948	31,482	34,398	1,011,600	1,093,680	2,531,520	9,203,760
11	30,330	81,120	35,406	33,066	35,802	1,028,736	1,073,736	2,467,008	8,767,440
12	22,860	64,032	17,676	16,596	17,460	810,864	847,152	1,958,976	7,104,240
13	26,698	72,216	23,094	21,690	24,012	979,488	1,061,424	2,475,072	8,789,040
14	27,428	73,720	34,110	32,688	34,830	770,544	800,712	1,833,408	6,612,480
15	30,270	80,144	34,002	31,500	33,804	832,824	889,344	2,071,296	7,503,120
16	23,622	64,152	35,694	35,154	36,738	687,456	747,144	1,691,712	6,122,880
17	24,700	66,240	49,608	46,440	50,238	698,328	733,176	1,682,496	6,014,880
18	23,574	64,000	53,172	50,436	53,712	784,872	842,832	1,957,536	6,958,080
19	17,928	49,416	30,078	28,062	29,808	904,248	982,512	2,266,848	8,141,040
20	18,056	49,976	54,108	50,454	54,486	1,176,696	1,226,952	2,872,800	10,260,720
21	15,532	41,200	49,770	48,888	52,758	745,704	818,064	1,845,216	6,767,280
22	18,042	49,496	36,324	34,974	37,656	619,128	653,976	1,498,176	5,366,880
23	14,970	38,392	49,644	45,540	47,988	638,424	633,456	1,459,584	5,283,360
24	13,682	34,320	48,852	46,116	50,202	440,784	433,368	938,880	3,261,600
25	14,456	38,128	48,150	44,874	49,068	529,344	544,032	1,268,352	4,513,680
26	13,394	33,896	19,062	19,242	19,926	919,152	1,008,720	2,312,352	8,477,280
27	13,034	33,216	32,112	29,592	32,778	919,440	923,976	2,136,384	7,493,760
28	7,854	19,968	16,848	14,904	16,308	677,664	752,760	1,717,920	6,184,080
29	8,204	19,344	21,456	21,060	23,472	730,440	764,064	1,728,576	6,282,720
Total	502,908	1,329,272	961,740	908,928	981,486	23,586,120	25,090,056	57,713,184	207,333,360

Table 38. Southern Field Division Energy Data

(in kWh)

February 2000

Date	West Branch			East Branch			
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation
1	299,432	730,944	1,080,000	300,496	1,571,724	2,861,952	186,291
2	319,312	751,896	1,080,000	308,448	1,626,468	2,707,584	205,443
3	286,048	766,512	1,080,000	226,688	1,255,020	2,766,432	143,598
4	294,896	773,496	1,080,000	224,476	1,220,796	2,631,648	152,565
5	300,328	968,112	1,080,000	240,604	1,272,312	2,512,512	160,293
6	183,120	0	1,080,000	284,256	1,521,144	2,657,376	166,089
7	237,496	587,952	840,000	224,924	1,323,240	2,805,696	171,927
8	238,840	620,712	840,000	227,808	1,338,588	2,944,704	164,304
9	288,848	591,192	840,000	341,460	1,929,624	2,854,368	250,110
10	230,608	595,656	840,000	360,948	2,009,112	2,936,736	223,335
11	229,656	625,824	840,000	325,248	2,007,876	2,565,024	265,755
12	233,072	683,208	840,000	235,424	1,368,180	2,277,216	179,760
13	328,048	222,048	840,000	324,520	1,771,176	2,295,456	187,740
14	293,552	475,344	1,080,000	220,052	892,428	2,340,384	116,676
15	293,776	690,336	1,080,000	259,616	1,215,672	2,472,384	164,199
16	323,904	839,952	1,080,000	169,400	927,612	2,170,272	100,233
17	325,528	797,472	1,080,000	164,556	962,040	2,066,688	109,956
18	300,832	783,936	1,080,000	202,524	1,462,704	2,539,488	162,855
19	366,856	906,768	1,440,000	269,220	1,315,212	2,533,536	168,924
20	517,608	908,928	1,560,000	326,256	1,549,392	2,436,288	182,490
21	290,976	909,288	1,392,000	211,036	935,280	2,470,848	129,465
22	80,192	1,800	0	230,020	1,442,544	2,548,512	156,618
23	10,640	0	0	252,448	1,497,876	2,631,648	171,885
24	10,640	0	0	2,044	840,936	2,518,176	109,326
25	134,288	586,296	912,000	38,024	878,280	2,282,112	86,310
26	531,944	1,650,672	1,368,000	202,832	1,131,900	2,493,024	141,015
27	432,488	228,816	1,368,000	214,620	1,154,220	2,255,424	139,524
28	245,056	778,176	1,080,000	209,412	1,169,364	2,588,928	132,972
29	293,496	785,376	1,080,000	191,240	1,093,968	2,580,672	128,688
Total	7,921,480	18,260,712	27,960,000	6,788,600	38,684,688	73,745,088	4,658,346